



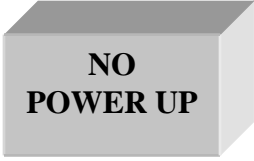
DEBUG GUIDE
V300/V525/V600
LEVEL 3

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| | | |
|---|----------|---|
| Version – 1.2: Modified process to replace flash, added how write Bluetooth address | | Written by: Juan A. Ortiz Revised by: Luis A. Lázaro |
| Version – 1.3; Modified process to recovers flash, replaced software name's file from image file to Reflash file | 12-05-04 | Written by: Juan A. Ortiz Revised by: Luis A. Lázaro |
| Version – 1.4; Modified process to replace flash, added how write Subsidy Lock | 04-06-04 | Written by: Juan A. Ortiz Revised by: Luis A. Lázaro |
| | | |
| | | |
| | | |
| | | |



Connect the PCB to Radiocomm with USB's cable: 5-00-74-10000 and supply it with external supply (4.2 v)

Push the button for power up, is the consumption is about 50mA?

Yes

Reflash the PCB with cable P/N:SKN6311A with shortcut in Pin 13 and Pin 14, switch on?

Yes

END

No

No

The consumption is about 120mA and after down to 50mA?

Yes

Resolder the U900 (PCAP), switch on?

Yes

END

No

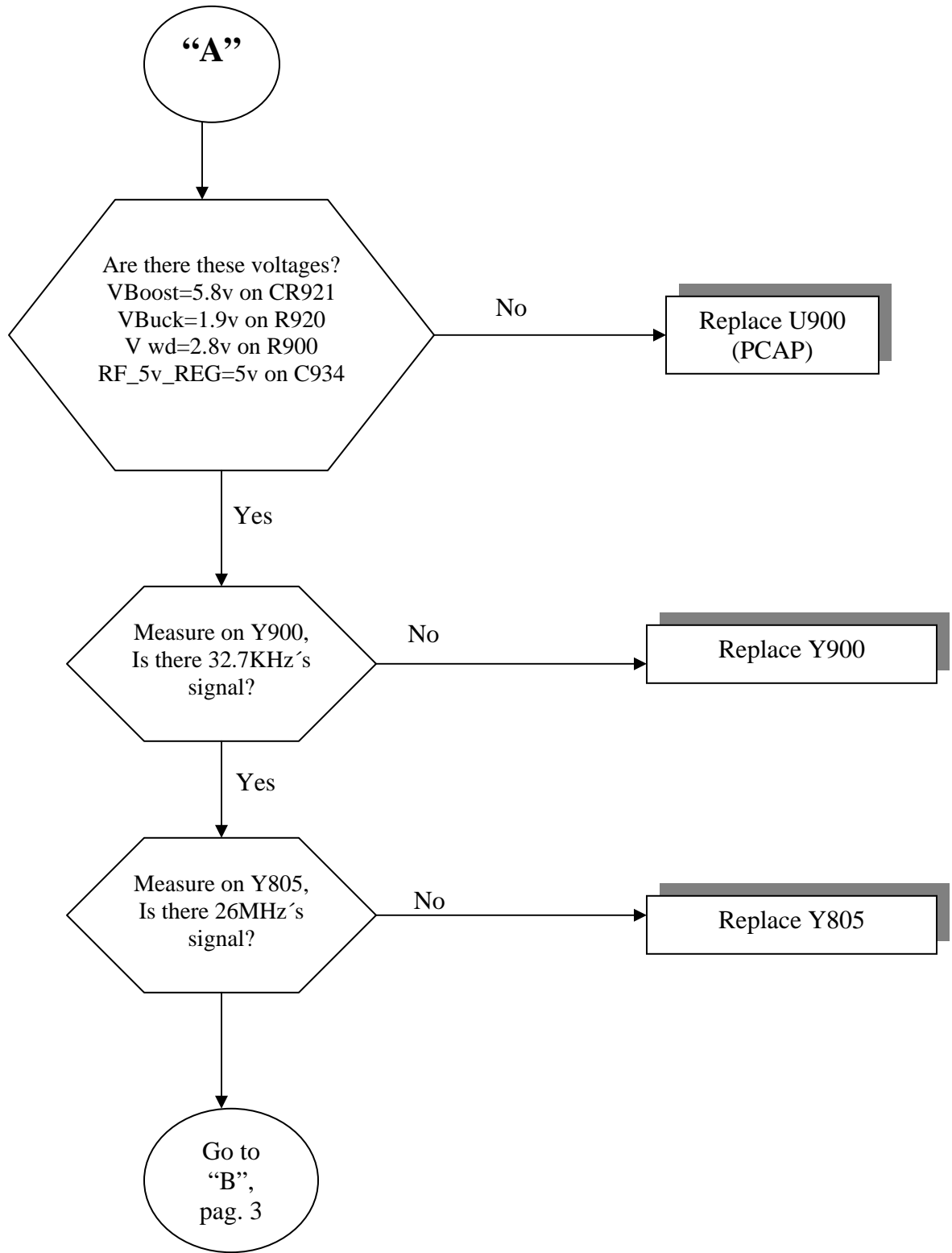
The consumption is about 120mA?

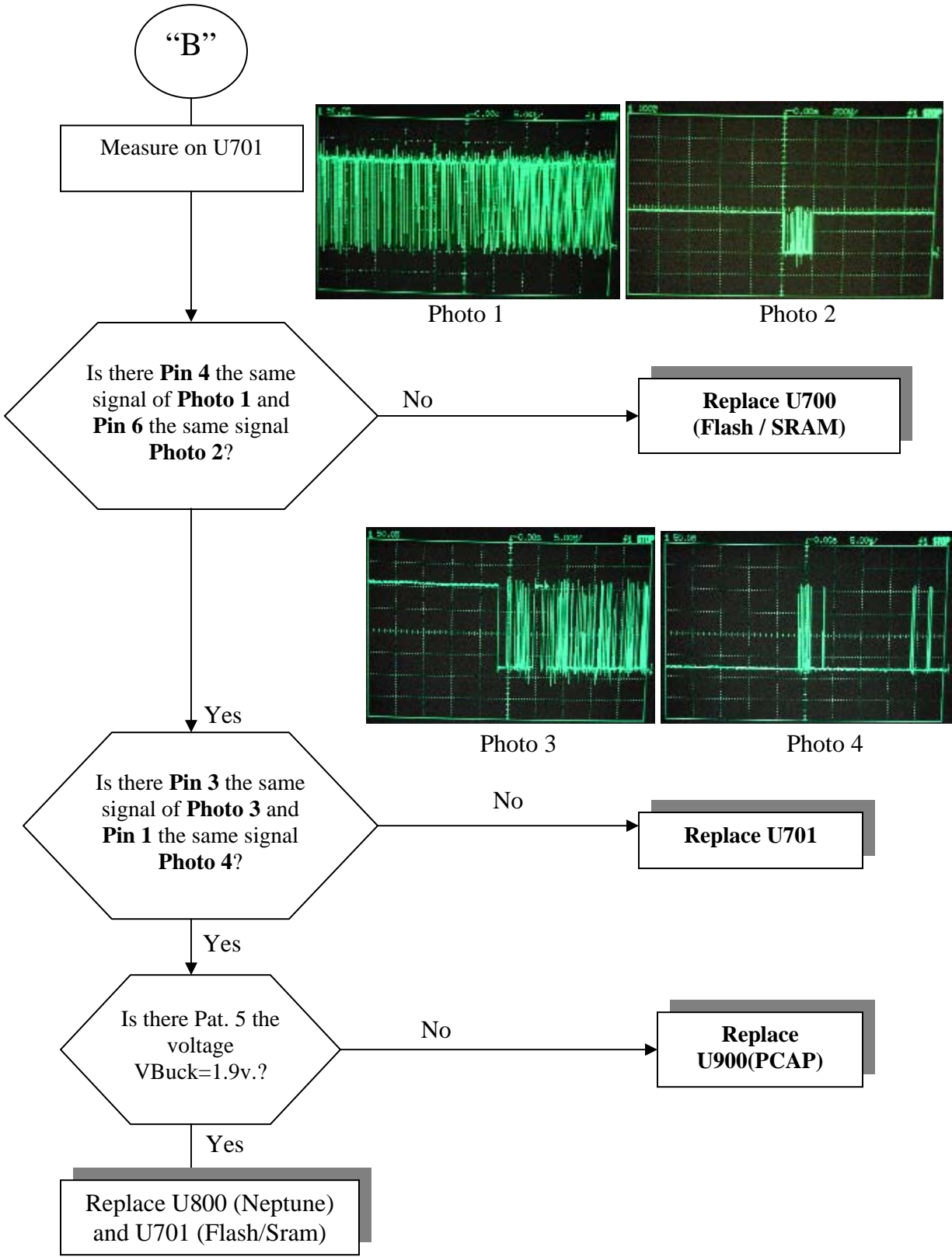
Yes

Replace the keypad mylar

No

Go to "A" pag. 2

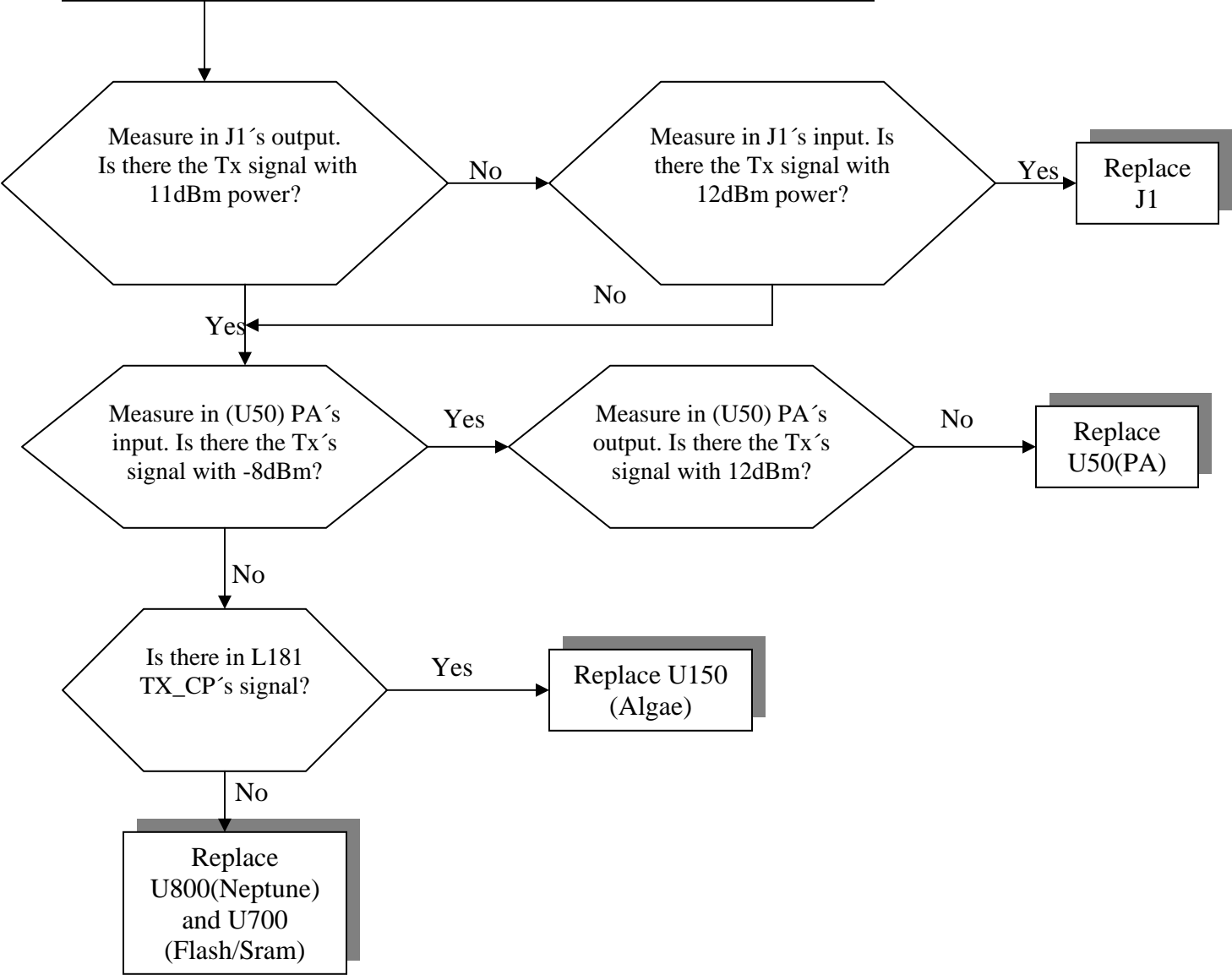




Use this procedure to set Tx in any band (GSM, DCS, etc). Main difference between setting bands is:

- Set band with Radiocomm.
- Set channels (accordingly to band selected) with Radiocomm.

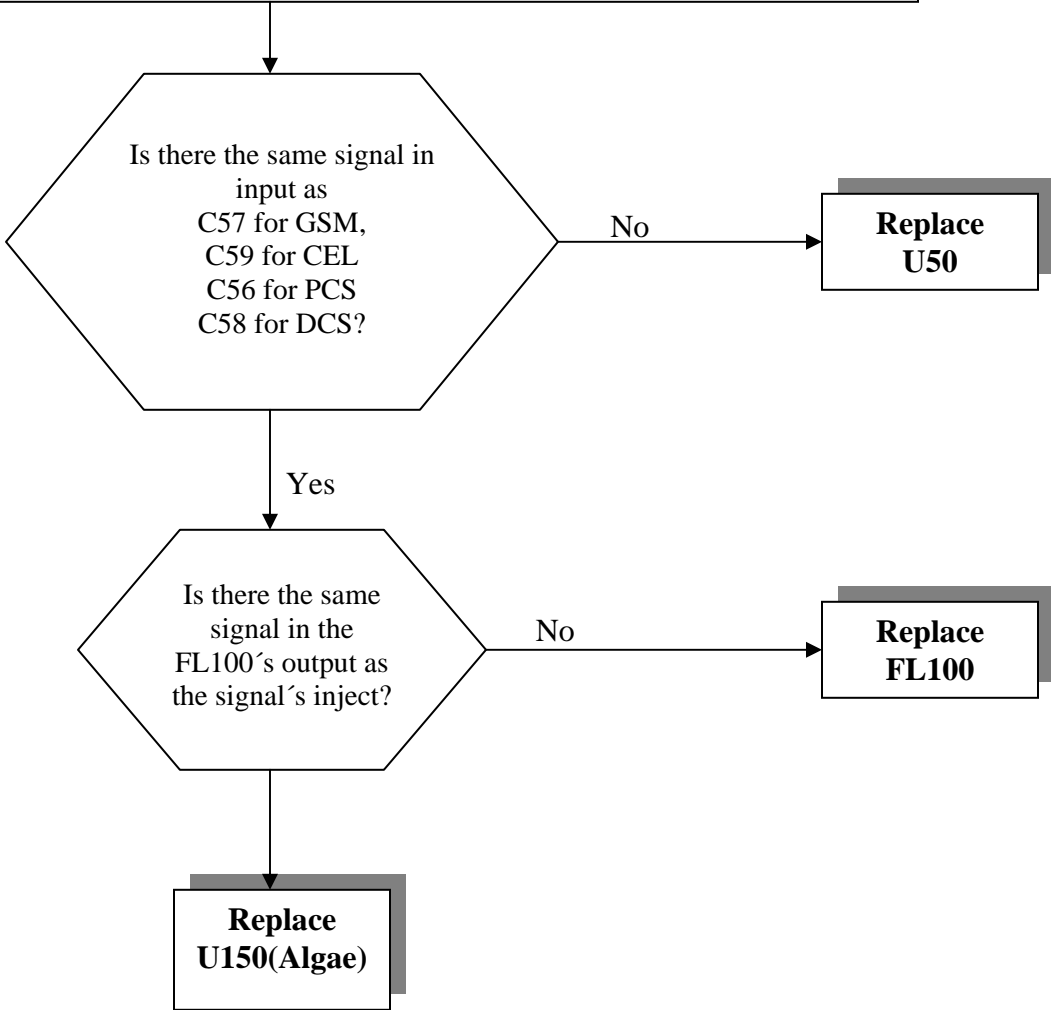
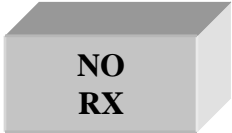
Connect the PCB to Radiocomm with USB's cable: 5-00-74-10000 and supply it with external supply (4.2 v)
 Put it to transmit with 10 of LEVEL PA and select 00- All zeroes, in window CARRIER, select the band and channel.



Use this procedure to set Tx in any band (GSM, DCS, etc). Main difference between setting bands is:

- Set band with Radiocomm.
- Set channels (accordingly to band selected) with Radiocomm.

Connect the PCB to Radiocomm with USB's cable: 5-00-74-10000 and supply it with external supply (4.2 v)
 Inject a signal (-50 dBm GSM channel or -50 dBm DCS channel) to external connector (J1).





**Procedure
 flash´s replace**

**“Invalid
 Battery”**

**FOLLOW THIS PROCEDURE TO REPLACE THE FLASH
 AND MICROPROCESOR**

REQUIREMENTS: FOR THIS PROCEDURE WE USE,
 WINDOWS 2000, PST 6.8 AND RADIOCOMM 7.1.1 ALWAYS

1. - Download this software with this cable P/N: 5-00-74-10000

TRIPLETS_G_0B.08.8F9R_RFO_RFDI_image.shx.

- 2. - To restore the BD Address (Bluetooth Device Address), with Radiocomm 7.1.1
 - Put the PCB in suspend mode.
 - Click in “GSM 2”
 - In STELEM/RDELEM write that information:

| | |
|---------------------------------|-----------------------|
| Bluetooth Address Element ID | 00AB |
| Record # | 0001 |
| Record Offset | 0000 |
| Length | 0006 |
| Data | XXXXXXXXXXXX *Note |

*Note: BD ADDR, can be found at approval label on the rear housing. BD ADDR is unique to each phone.

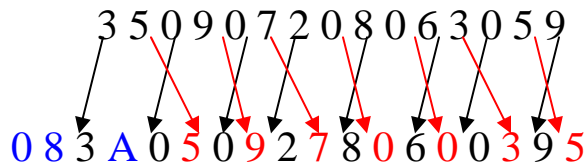
-Click on STELEM

- 3.- Then restore IMEI, with Radiocomm 7.1.1:
- Put the PCB in suspend mode.
 - Click in “GSM 2”
 - In STELEM/RDELEM write that information:

| | |
|---------------|-----------------------------|
| Element ID | 0004 |
| Record # | 0001 |
| Record Offset | 0000 |
| Length | 0009 |
| Data | XXXXXXXXXX IMEI *Note |

*Note: Example for writing an imei:

Pcb's Imei



For write in Data:

-Click on STELEM

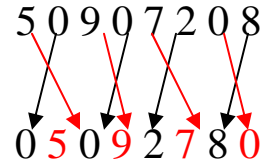
4. - Then restore Subsidy Lock, with Radiocomm 7.1.1:
- Put the PCB in suspend mode.
 - Click in “GSM 2”
 - In STELEM/RDELEM write that information:

| | |
|---------------|-------------------------------------|
| Element ID | 0349 |
| Record # | 0001 |
| Record Offset | 0000 |
| Length | 0009 |
| Data | XXXXXXXXXX Subsidy Lock *Note |



*Note: Example for writing a subsidy lock:

Pcb's subsidy lock



For write in Data:

-Click on STELEM

5. - Then restore all NVM elements, with Radiocomm 7.1.1

6. - Download this software with this cable P/N: 5-00-74-10000

TRIPLETS_G_0B.09.1DR_reflash.shx

7. - After downloading last software's version, phasing the transceiver with GPGATE and Master Reset and Master Clear.

To read the NVM / Seem Elements from a golden unit:

1. - Connect the transceiver to Internal Radiocomm, INITIALIZE it and SUSPEND it.
2. - Select PHONE and NV/SEEM.
3. - In PRODUCT select the platform.
4. - Select READ.
5. - Save the NVM / elements with a product's name



V300/V525/V600
Debug Guide Level3
Motorola Confidential Proprietary

**Recover the
reflash**

.- This procedure must be used for no power up, power down in standby itself or “blocked”, failures.

**REQUIREMENTS: FOR THIS PROCEDURE WE USE,
WINDOWS 2000, PST 6.8 AND RADIOCOMM 7.1.1 ALWAYS**

1. - Download this software with this cable P/N: 5-00-74-10000 and push keys # and * and the power up.

TRIPLETS_G_0B.09.1DR_reflash.shx

2. - Then restore all NVM elements, with the Radiocomm 7.1.1

3. - After downloading last software’s version, phasing the transceiver with GPGATE and Master Reset and Master Clear.